

BLM Utah Air Resource Management Strategy (ARMS)

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Utah BLM Air Resource Management Strategy

Purpose

Create a management structure which defines how activities BLM authorizes in Utah, particularly energy development, can be conducted while still ensuring air quality goals are met

Three components

- air monitoring
 - regional modeling
 - controls and mitigation

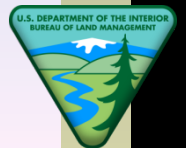


BLM Air Monitoring Program

- Funding support for collaborative air monitoring efforts – UBOS
- Purchase and provide air monitoring equipment
- Operate remote air monitoring stations

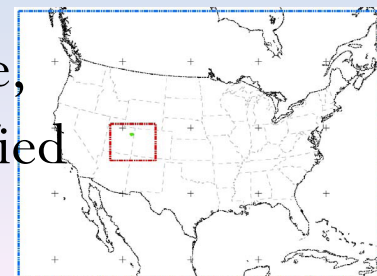
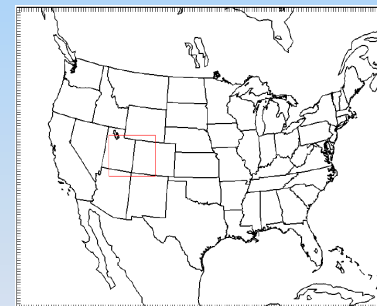
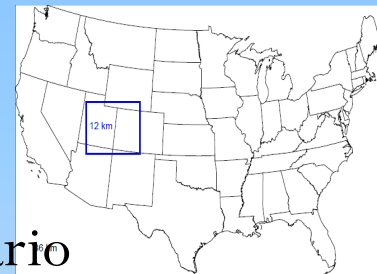


Nine Mile Canyon Monitoring Site



Regional Modeling Goals

- Characterize existing development with improved model resolution and model validation
- Model reasonably foreseeable development
- Develop a modeled maximum emissions year scenario which meets identified air quality goals
- Use the modeling demonstration and platform to support NEPA
- Update the emission inventory on a 3 year schedule, remodel based on review and/or additional identified RFD – adaptive management concept

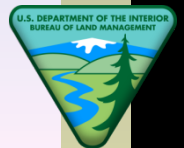


Control and Mitigation Strategies

- Tier II or better drilling rig engines
- Low bleed or no bleed pneumatic pump valves
- Dehydrator VOC emission controls to +90% efficiency
- Tank VOC emission controls to +90% efficiency
- Stationary internal combustion engine standard of 2g NO_x/bhp-hr for engines <300HP and 1g NO_x/bhp-hr for engines >300HP

Enhanced Controls

- Emission reduction projects
- Seasonal restrictions



Interim Management Strategy

Small Projects (EA)

tier to existing analysis, uniform controls

Large Projects (EIS)

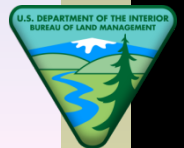
ARMS, offsets, zero net emissions

Medium Projects

EA or EIS?

Adaptive Management

- emission inventory updates
- subsequent refined modeling analysis
- enhanced controls



BLM

Air Resource Management

